

Problems

Solve and explain your reasoning

1. Alice knows six cups of rice will make enough Spanish rice to feed 15 people. How much rice is needed to feed 75 people?
2. Elaine can plant 16 flowers in 10 minutes. How many can she plant in 25 minutes?
3. Ivanna needs to buy 360 cherries for a large salad. She can buy nine cherries for \$0.57. How much will 360 cherries cost?
4. A plane travels 3400 miles in eight hours. How far would it travel in six hours at the same rate?
5. Leslie can write a 500-word essay in a hour. If she writes an essay in 20 minutes, approximately how many words should the essay contain?
6. About eight out of every 100 people in the state have red hair. If a typical classroom in the state has 25 students, how many would you expect to have red hair? If the typical middle school has 650 students, how many would you expect to have red hair?
7. When Carlos rides his bike to school, it takes 15 minutes to go 8 blocks. If he rides at the same speed, how long should it take him to travel 30 blocks?
8. Simba the cat is on a diet. Ten pounds of special low-fat food costs \$22.50. How much would 30 pounds cost? How much would 36 pounds cost?
9. Elizabeth came to bat 110 times in 20 games. How many times should she expect to bat in 62 games?
10. Ly can deliver 32 newspapers in 25 minutes on his bike. Next week he needs to deliver 80 newspapers in the same neighborhood. How long should it take him if he works at the same rate as he did for 32 newspapers?